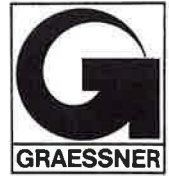*– OLD GEARBOX –*

Dimensions and Designs

Drive is also possible on shaft d_2 so that gears of Series U
can be used as speed reducing transmissions.

The illustrations shows design 13 R

r = Form D DIN 332

GRAESSNER

1 L	3 L	13 L	1 R	3 R	13 R

12 L	23 L	123 L	12 R	23 R	123 R
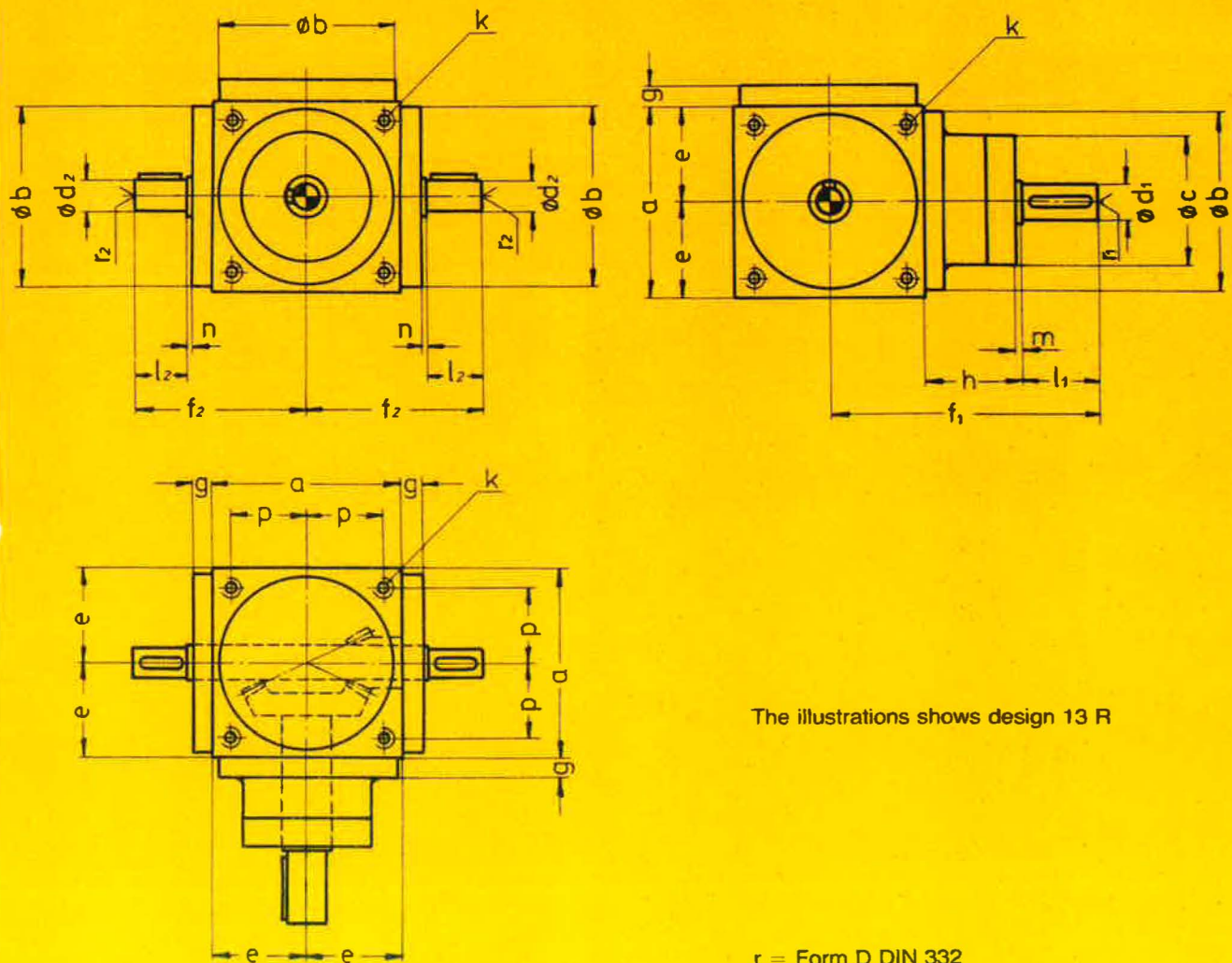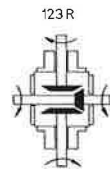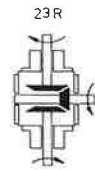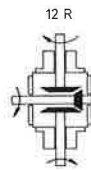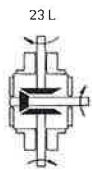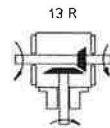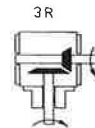
Fully reversible

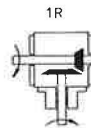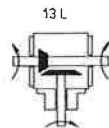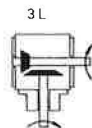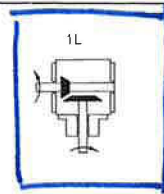|										Ratio i = 1:1.5								
Size	a	$\varnothing\ b_{h7}$	$\varnothing\ c$	$\varnothing\ d_{1\,j6}$	l_1	$\varnothing\ d_{2\,j6}$	l_2	e	f_1	f_2	g	h	m	n	k^{**}	p	r_1	r_2
07 U	90	88	72	18	35	16	30	45	130	87	10	50	2	2	M 6	36	M 6	M 6
10 U	110	108	81	22	40	20	35	55	150	102	10	55	2	2	M 8	44	M 8	M 8
20 U	140	135	98	32	50	28	45	70	180	127	10	60	2	2	M 10	55	M 12	M 8
30 U	170	165	118	40	60	38	55	85	215	155	12	70	2	3	M 12	67	M 16	M 12
35 U	210	205	128	45	70	45	70	105	260	192	15	85	2	2	M 16	85	M 16	M 16
40 U	240	235	138	55	85	55	85	120	300	222	15	95	2	2	M 16	95	M 20	M 20
50 U	280	275	150	60	110	60	110	140	360	267	15	110	2	2	M 16	110	M 20	M 20
60 U	360	350	210	75	120	75	120	180	445	325	22	145	3	3	M 20*	140	M 20	M 20
70 U	450	440	250	90	160	90	160	225	570	410	22	185	3	3	M 20*	175	M 24	M 24

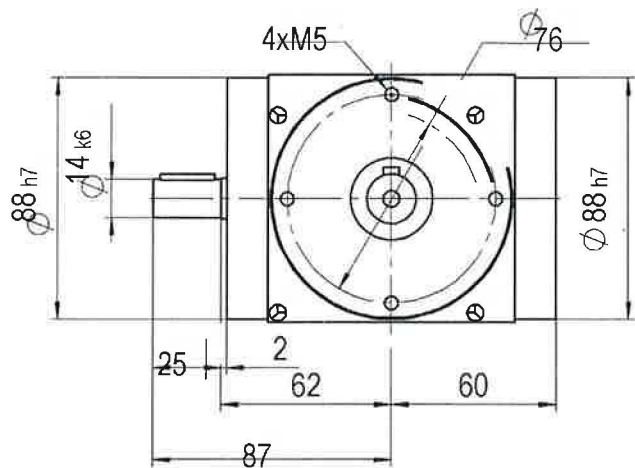* Please state required location of mounting thread for size 60 and 70.

** Reach of screw = 1.5 × k

	Ratio i = 1:1.5	
Size	d_1 with feather key according to DIN 6885 page 1	d_2 with feather key according to DIN 6885 page 1
07 U	6 × 6 × 32	5 × 5 × 25
10 U	6 × 6 × 36	6 × 6 × 32
20 U	10 × 8 × 45	8 × 7 × 40
30 U	12 × 8 × 56	10 × 8 × 50
35 U	14 × 9 × 63	14 × 9 × 63
40 U	16 × 10 × 80	16 × 10 × 80
50 U	18 × 11 × 100	18 × 11 × 100
60 U	20 × 12 × 110	20 × 12 × 110
70 U	25 × 14 × 140	25 × 14 × 140

					i = 1:2
Size	$\varnothing\ d_{2\,j6}$	l_2	f_2	r_2	d_2 with feather key according to DIN 6885 page 1
07 U	14	25	82	M 6	5 × 5 × 20
10 U	18	35	102	M 6	6 × 6 × 32
20 U	24	40	122	M 8	8 × 7 × 36
30 U	28	45	145	M 8	8 × 7 × 40
35 U	38	55	177	M 12	10 × 8 × 50
40 U	45	70	207	M 16	14 × 9 × 63
50 U	50	80	237	M 16	14 × 9 × 70
60 U	65	110	315	M 20	18 × 11 × 100
70 U	80	130	380	M 20	22 × 14 × 125

Technical Drawing — Dimensions

Front view (top left):
- 4x M5
- Ø76
- 88 h7
- 14 k6
- Ø88 h7
- 25
- 2
- 62
- 60
- 87

Side view (top right):
- 88 h7
- 86
- 18 k6
- 45
- 45
- 90
- 2
- 35
- 100
- 135

Bottom left view:
- 15
- □90
- 15
- 36
- 36
- 16x M6
- 36
- 36
- 55
- 15
- 8
- Ø87 g6

Isometric view (right):
- S4
- S2
- S1
- S3
- SA
- S5
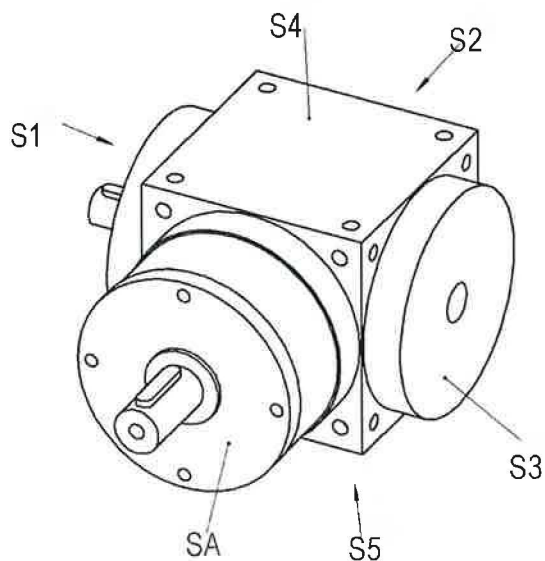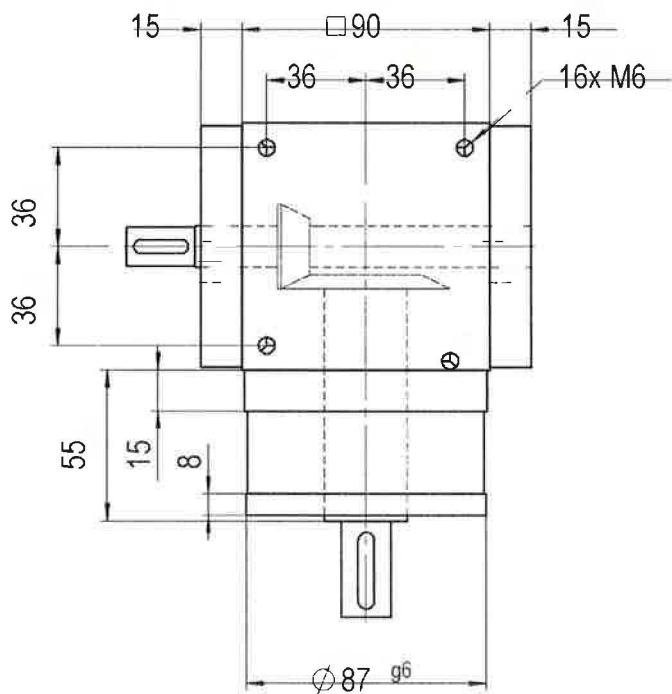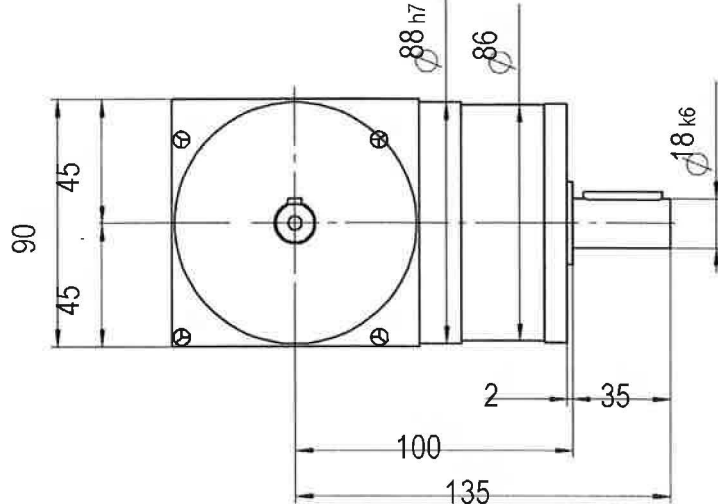
Size: P090
Form: U
Ratio: 2
Shaft configuration: 1

Keyway according to DIN6885/1
Center of shaft ends according to DIN332 DS
Minimal backlash

Ident. Number
21090R70501

Dimension Sheet Number
M21090R70501-3338

Customer
Kunde